

# Fish Passage & Diversion Screening Inventory Database Report Cover Sheet

The following report is extracted from the Washington Department of Fish and Wildlife's (WDFW) Fish Passage and Diversion Screening Inventory Database (FPDSI). WDFW makes every attempt to keep these reports in sync with FPDSI; however, the dynamic nature of the data and workflows associated with maintaining the database may result in short-term differences.

Users are encouraged to contact WDFW to discuss appropriate use of the data and how we can assist with fish passage barrier removal or inventory. Please visit the Fish Passage web site for contact information at: https://wdfw.wa.gov/species-habitats/habitat-recovery/fish-passage/about

#### **Disclaimers:**

- Data presented here represent a snapshot observation of conditions in a dynamic environment that is subject to change. Fish passage data are also collected from a variety of agencies and sources. Therefore, WDFW makes no guarantee concerning the data's content, accuracy, completeness, or the results obtained from use of the data. WDFW assumes no liability for the data represented here.
- These data are not an attempt to provide you with an official agency response as to the impacts of your project on fish and wildlife.
- Note that some fish passage features, habitats or species may occur in areas not currently
  known to the WDFW Fish Passage division, and may not be reflected in this database. A lack of
  data does not necessarily indicate that a feature, habitat, or species are not present.
- Unauthorized attempts to alter or modify these data are strictly prohibited.
- Bankfull width measurements included in these reports should not be used for fish passage crossing design. They are solely for assessment purposes.
- The barrier status reported in this document is based on the swimming abilities of adult salmonids. Passabilities are a qualitative value, and should not be interpreted as a quantitative calculation. Please see page 1-4 of the Fish Passage Inventory, Assessment and Prioritization Manual for further clarification: https://wdfw.wa.gov/publications/02061
- EXIF data presented with Image Reports may be erroneous due to camera battery failures and resetting of camera clock functions.

#### Abbreviations:

Most abbreviations in this report are defined in the Quick Reference Tables of the Fish Passage Inventory, Assessment, and Prioritization Manual. Additional commonly used abbreviations are defined as follows:

**NFB** = no potential salmonid use, **BB** = both banks, **LB** = left bank looking downstream, **RB** = right bank looking downstream, **US** or **U/S** = upstream, **DS** or **D/S** = downstream, **WSDrop** = water surface drop, **BFW** = bankfull width, **OHW** = ordinary high water, **SLW** = scour line width, **CMP** = corrugated metal pipe, **Q**<sub>fp</sub> = fish passage flow, **V&D** = Velocity and Depth, **ROW** = Right of Way

The FPDSI database often uses default values such as '-99.99' or '-999' to represent null values.

## **WDFW Fish Passage and Diversion Screening Inventory Database**

## **Site Description Report**

| Site ID 996804                                    | Project      | WSDO     | T             |             | [      | ☐ Mitigated        |  |
|---|--------------|----------|---------------|-------------|--------|--------------------|--|
| Geographic Coordinate                             | es           | ,        | Waterboo      | dy          |        |                    |  |
| Latitude (WGS 84):                                | 47.715416    |          | Stream:       |             |        | Big Scandia Cr     |  |
| Longitude (WGS 84):                               | -122.6801904 |          | Tributar      | y To:       |        | Liberty Bay        |  |
| East (NAD 83 HARN):                               | 1,103,710.4  |          | WRIA:         |             |        | 15.0280            |  |
| North (NAD 83 HARN)                               | 876,170.0    |          | River Mi      | ile:        |        | 4.00               |  |
|   |              |          | Fish Use      | e Poten     | itial: | Yes                |  |
| General Location                                  |              |          | FUP Cri       | teria:      |        | Physical           |  |
| Road Name:  | SR 3         |          | Owner         |             |        |                    |  |
| Mile Post:  | 49.48        |          | Type:         | State       |        |                    |  |
| County:   | Kitsap       |          | Name:         |             | ingto  | n State Department |  |
| WDFW Region:                                      | 6            |          |               | of Trai     |        |                    |  |
| PI Species  |              | L        |               |             |        |                    |  |
| ☐ Sockeye   | ☐ Chinook    |          |               | <b>✓</b> Se | ea Rı  | un Cutthroat       |  |
| ☐ Pink  | ✓ Coho       |          | Resident Trou |             |        | ent Trout          |  |
| ✓ Chum  | ✓ Steelhead  | I        | ☐ Bull Tr     |             | ull Tr | rout               |  |
| Associated Features                               |              |          |               |             |        |                    |  |
| ✓ Culvert   | ☐ Dam        |          | Natural Ba    | arrier      |        | Diversion          |  |
| $\square$ Non-Culvert Xing                        | ☐ Other      |          | ishway        |             |        |                    |  |
| Location/Directions                               |              |          |               |             |        |                    |  |
|   |              |          |               |             |        |                    |  |
|   |              |          |               |             |        |                    |  |
| Site Comments                                     |              |          |               |             |        |                    |  |
| Stream dry, plunges onto patches of water only. N |              | ıg. Insp | ected 2/4     | /09 by \$   | Smith  | n/Johnson standing |  |
|   |              |          |               |             |        |                    |  |

11/19/2021

These data represent a snapshot of the Washington Department of Fish and Wildlife's current records. Due to the ongoing nature of assessment and inventory of these features, these data may not accurately represent conditions on the ground, and are subject to change.

### WDFW Fish Passage and Diversion Screening Inventory Database

### **Level A Culvert Assessment Report**

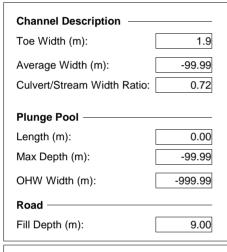
Site ID: 996804

Latitude: 47.715416 Stream: Big Scandia Cr WRIA: 15.0280

Longitude: -122.6801904 Tributary To: Liberty Bay Fish Use Potential: Yes

| Data Source: |             | Washington Department of Fish and Wildlife |              |          |  |  |  |  |
|--------------|-------------|--|--------------|----------|--|--|--|--|
|              | Field Crew: | Nettnin;Whitney                            | Review Date: | 8/4/2004 |  |  |  |  |

| Culvert Details |                          |                 |             |             |               | Level A Parameters |              |        |          |             |             |           |          |
|-----------------|--------------------------|-----------------|-------------|-------------|---------------|--------------------|--------------|--------|----------|-------------|-------------|-----------|----------|
| <u>ID</u>       | <u>Shape</u>             | <u>Material</u> | <u>Span</u> | <u>Rise</u> | <u>Length</u> | <u>WDIC</u>        | <u>Apron</u> | WSDrop | Location | Countersunk | Backwater S | Slope (%) | Sediment |
| 1.1             | RND                      | CST             | 1.37        | 1.37        | 66.40         | 0.11               | BE           | 0.25   | Outlet   | No          |             | 1.30      |          |
| All             | All dimensions in meters |                 |             |             |               |                    |              |        |          |             |             |           |          |



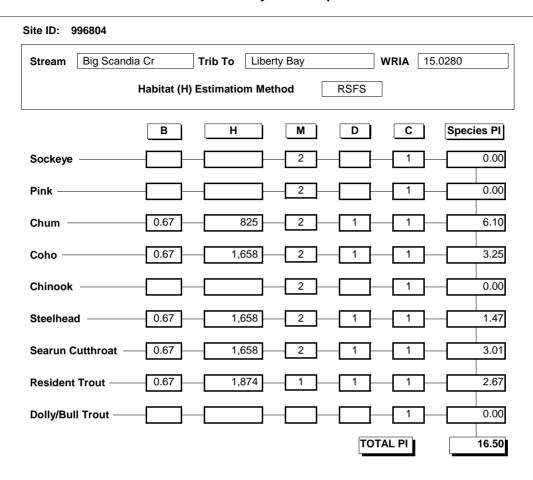


| Assessment Res                     | ults        | Tidal Influence:      |           | Tidegate Pres | ent: No     |                |  |  |
|------------------------------------|-------------|-----------------------|-----------|---------------|-------------|----------------|--|--|
| Barrier: Y                         | 'es         | Passability (%):      | 33        | Method:       | Level A     |                |  |  |
| Reason: WS                         | Drop        | Fishway Present:      | No        | Recheck:      |             |                |  |  |
| Comments Coated inside.            |             |                       |           |               |             |                |  |  |
| Potential Habitat Gain             |             |                       |           |               |             |                |  |  |
| Survey Type:<br>Significant Reach: | RSFS<br>Yes | Spawning<br>Rearing ( | g (sq m): | 825<br>1,874  | Length (m): | 1,924<br>16.50 |  |  |

## WDFW Fish Passage and Diversion Screening Inventory Database Habitat Survey Summary Report

| Site ID: 996804   |  |                      |             |  |  |  |  |  |
|---|--|----------------------|-------------|--|--|--|--|--|
| Latitude: 47.715416 Longit  | ude: -122.6801                                   | <b>904</b> WRIA:     | 15.0280     |  |  |  |  |  |
| Stream: Big Scandia Cr Tributa  | ary To: <b>Liberty Bay</b>                       | PI Total:            | 16.50       |  |  |  |  |  |
| Survey Type RSFS  |  |                      |             |  |  |  |  |  |
| Spreadsheet File(s):  |  |                      |             |  |  |  |  |  |
| 15.0280 1.00xls; 15.0280 1.00a.xls;   | 15.0280 1.00a1.xls; 9                            | 96804add.xls         |             |  |  |  |  |  |
| Downstream Survey   |  |                      |             |  |  |  |  |  |
| Date: 8/8/2007 Crew: Erkel;Hird   | J Le   | ngth (m): 6,434      |             |  |  |  |  |  |
| Downstream Comments:  |  |                      |             |  |  |  |  |  |
| 90 to 100m DS is an old 18" CAL culv Gradient 1%, good instream cover an and 15.0280 1.00.  |  |                      |             |  |  |  |  |  |
| Upstream Survey Date: 12/1/2004 Crew: Erkel; Hoening Length (m): 1,924  |  |                      |             |  |  |  |  |  |
| Upstream Comments:  |  |                      |             |  |  |  |  |  |
| Trib enters on RB ~80m upstream. Low gradient. OHW spread out and wetland like on forest floor. In adult forest, canopy 80%. Several upstream barriers on trib and barrier site 994738 on mainstream. |  |                      |             |  |  |  |  |  |
| Potential Habitat Gain  |  |                      |             |  |  |  |  |  |
| Lineal (m): 1,924  Spawning Area (sq m): 825  Rearing Area (sq m): 1,874  | Distribution  Anadromous  Resident Only  Unknown | Gain Direction (Resi | dent Only): |  |  |  |  |  |
| Potential Species Benefit   |  |                      |             |  |  |  |  |  |
| $\square$ Sockeye / Kokanee   | ☐ Chinook  | Searun Cutthro       | at          |  |  |  |  |  |
| ☐ Pink  | ✓ Coho   | Resident Trout       |             |  |  |  |  |  |
| ✓ Chum  | ✓ Steelhead                                      | ☐ Bull Trout         |             |  |  |  |  |  |

# WDFW Fish Passage and Diversion Screening Inventory Database Barrier Priority Index Report



B = proportion of fish passage improvement (1, 0.67, 0.33).

H = potential habitat gain (square meters), spawning habitat for sockeye, pink and chum, rearing habitat for the rest.

M= mobility modifier (anadromous = 2, resident = 1).

D = stock condition modifier (critical = 3, depressed = 2, not 2 or 3 = 1).

C= repair cost modifier (<\$100K = 3, \$100K - \$500K = 2, >\$500K = 1).